

FIGURE 2A (preferred embodiment)

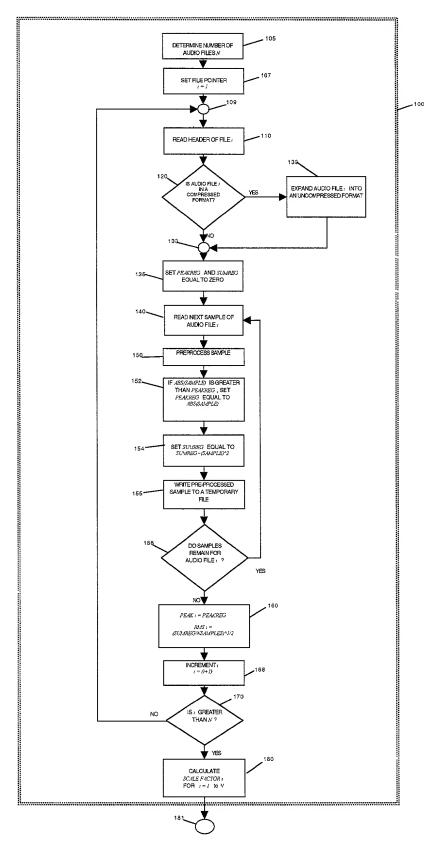


FIGURE 2B (first alternative embodiment)

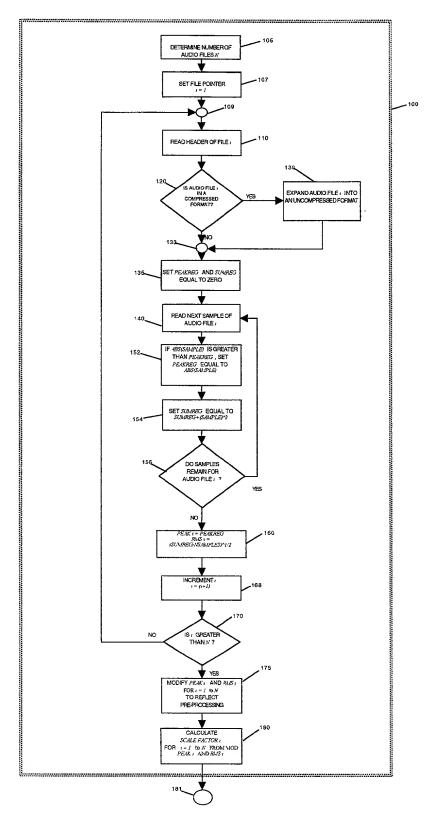


FIGURE 2C (second alternative embodiment)

## CALCULATE SCALE FACTOR FOR TWO AUDIO FILES

 $FIRST\ SCALE\ FACTOR = \\ K / \{PEAK1 + PEAK2 * (\beta * RMS1) / ((1-\beta) * RMS2)\}$ 

SECOND SCALE FACTOR =  $K/\{PEAK2 + PEAK1 * ((1-\beta) * RMS2) / (\beta * RMS1)\}$ 

## FIGURE 3A (scale factor calculation for two files)

## CALCULATE SCALE FACTORS FOR N AUDIO FILES S1PIP2 -B2R2 *S2* B1R1*S3* B1R1-ß3R3 ... 0 ... 0 -ßiRi 0 ... 0 SiB1R10 SNBNR1 -BNRN

FIGURE 3B (scale factor calculation for N files)

